

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P509834

Luminaire Tested: **VERD-M-CA3-150-727-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-181-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-M-CA3-150-727-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 2700K, 940mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19296 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

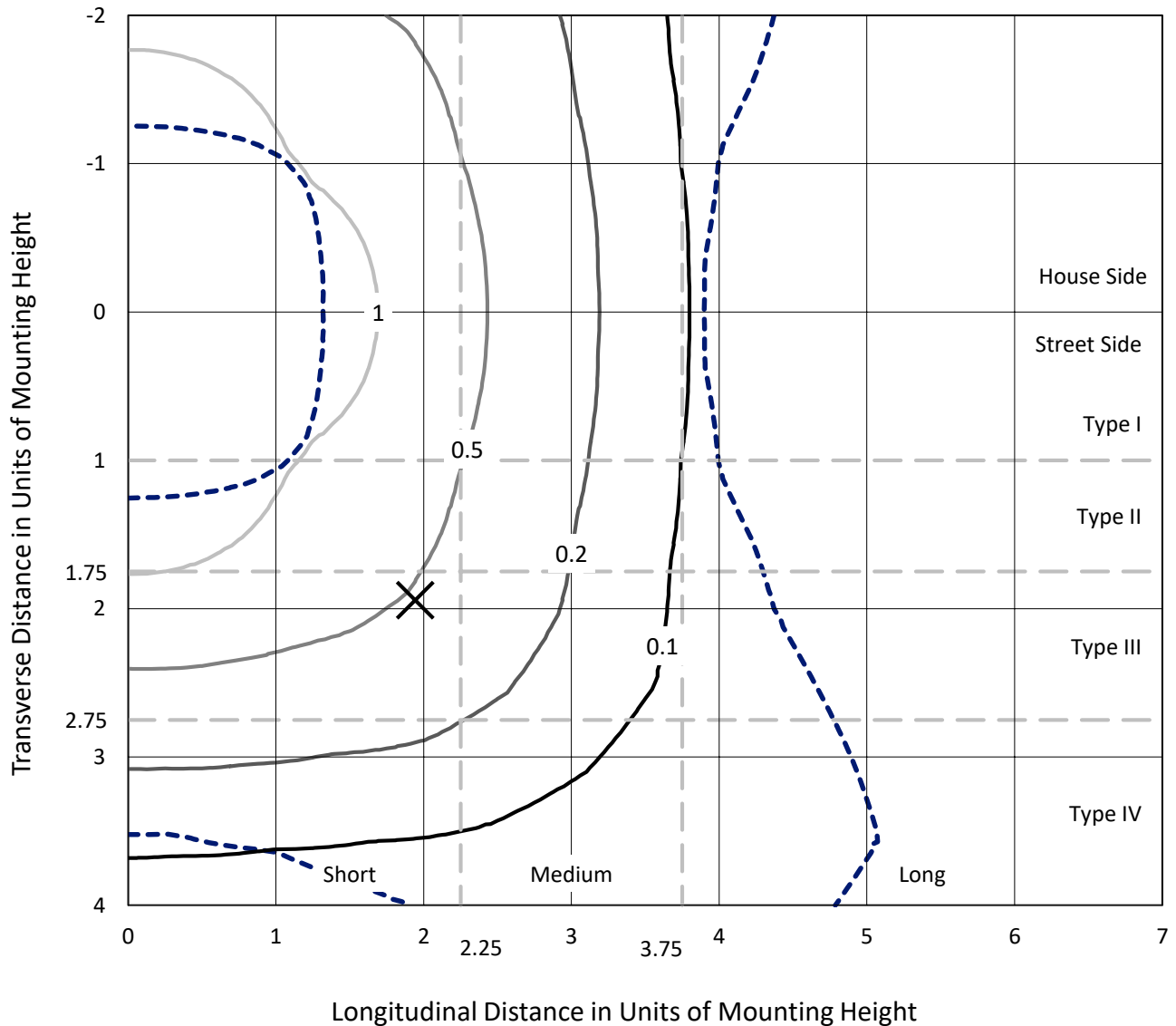
Input Watts (W): 153
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

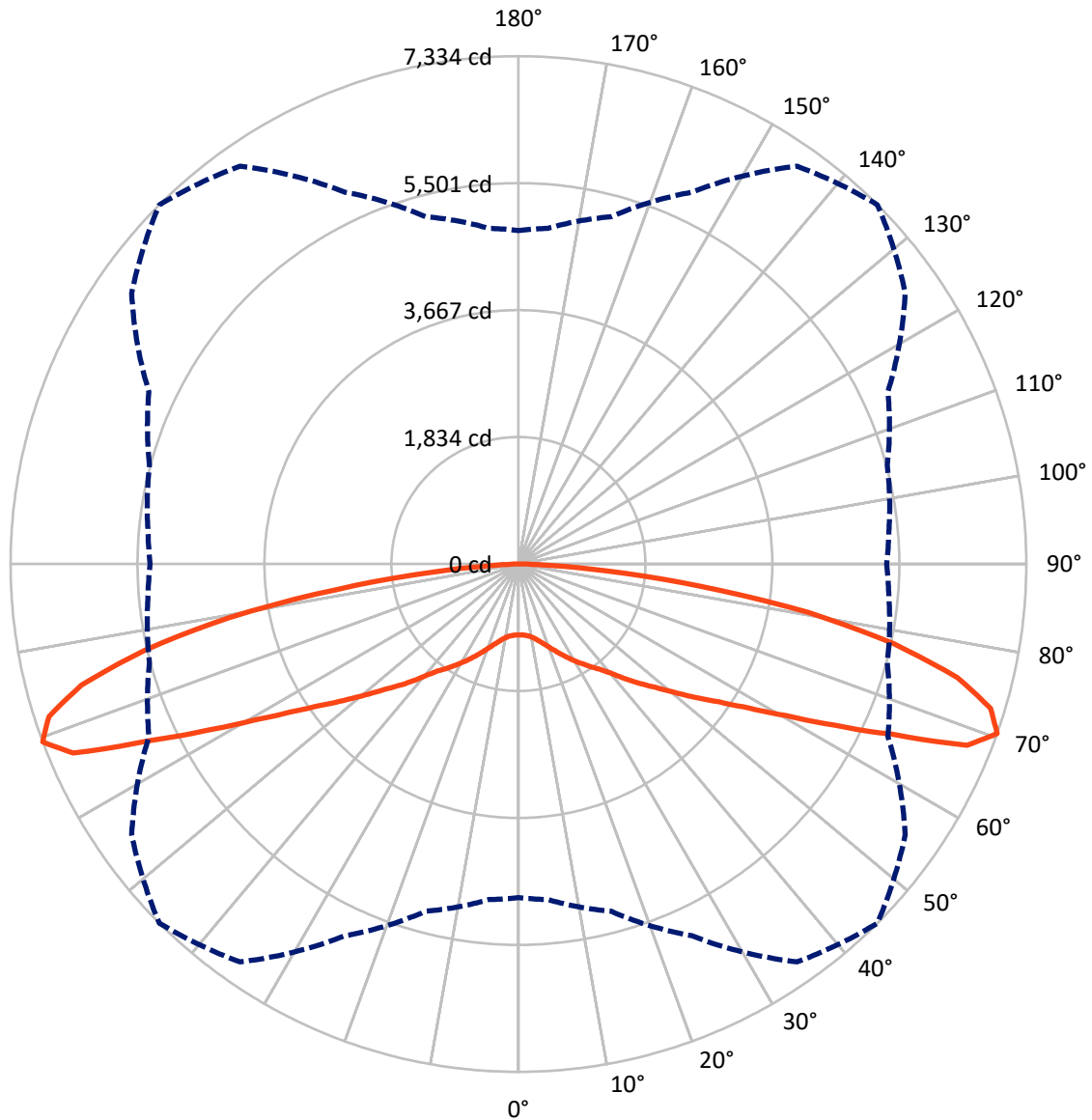
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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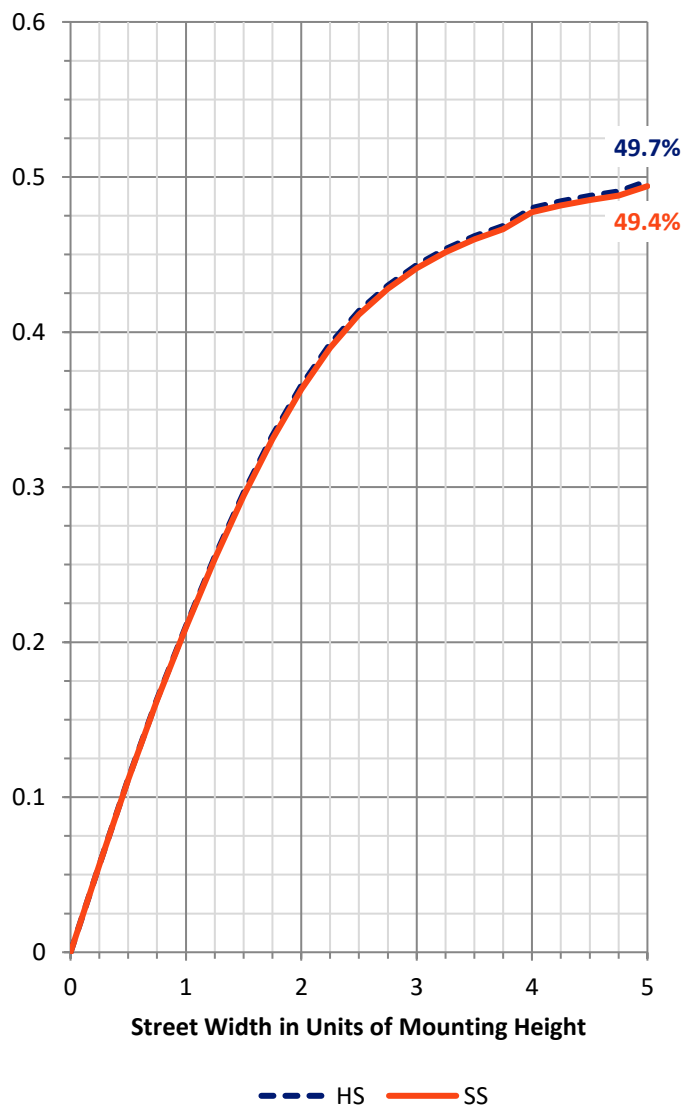
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9648.0	0.0	9648.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9648.0	0.0	9648.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19296.0	0.0	19296.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	0.5
10°-20°	332.2	1.7
20°-30°	664.4	3.4
30°-40°	1156.1	6.0
40°-50°	2011.3	10.4
50°-60°	3501.9	18.1
60°-70°	5671.6	29.4
70°-80°	4865.6	25.2
80°-90°	992.5	5.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	19296.0	100.0
0°-180°	19296.0	100.0

Coefficient of Utilization



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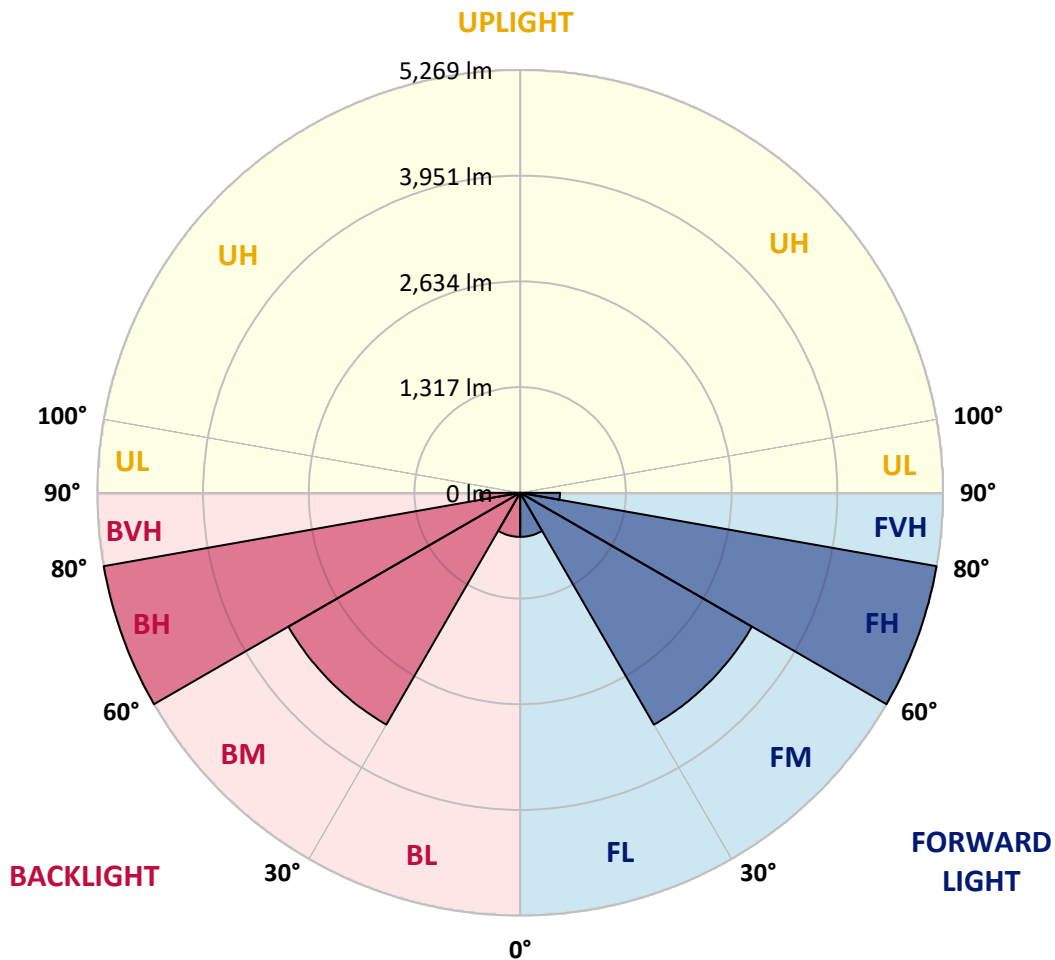
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	548.5	2.8			
FM	(30°-60°)	3334.6	17.3			
FH	(60°-80°)	5268.6	27.3			G3/7500
FVH	(80°-90°)	496.2	2.6			G3/500
BL	(0°-30°)	548.5	2.8	B2/1000		
BM	(30°-60°)	3334.6	17.3	B3/5000		
BH	(60°-80°)	5268.6	27.3	B5		G3/7500
BVH	(80°-90°)	496.2	2.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3
2.5°	1022.9	1028.9	1028.0	1026.3	1023.8	1023.8	1025.5	1031.4	1032.2	1032.2	1032.2
5°	1034.8	1040.7	1039.9	1038.2	1035.6	1034.8	1036.5	1042.4	1043.3	1043.3	1044.1
7.5°	1048.3	1055.1	1055.1	1054.3	1048.3	1048.3	1050.0	1057.7	1057.7	1059.3	1061.0
10°	1071.2	1078.8	1081.4	1078.0	1074.6	1072.9	1074.6	1082.2	1081.4	1079.7	1080.5
12.5°	1102.5	1110.2	1116.1	1115.2	1111.8	1110.2	1111.8	1116.1	1111.0	1104.2	1104.2
15°	1141.5	1151.6	1158.4	1158.4	1162.7	1160.1	1157.6	1158.4	1150.8	1144.9	1144.9
17.5°	1191.4	1199.9	1205.8	1210.9	1217.7	1217.7	1211.8	1210.1	1199.9	1194.8	1195.7
20°	1252.4	1259.2	1267.7	1271.9	1285.4	1286.3	1276.1	1271.9	1261.7	1255.0	1256.6
22.5°	1318.5	1330.3	1333.7	1346.4	1362.5	1363.3	1349.8	1340.5	1330.3	1325.2	1326.1
25°	1398.1	1409.9	1407.4	1418.4	1442.9	1445.5	1430.2	1416.7	1408.2	1403.1	1404.8
27.5°	1485.3	1497.1	1496.3	1496.3	1525.1	1536.1	1514.9	1500.5	1502.2	1492.9	1496.3
30°	1578.4	1588.6	1594.5	1584.4	1612.3	1630.1	1596.2	1597.9	1597.1	1591.1	1590.3
32.5°	1687.7	1697.0	1696.1	1689.4	1697.8	1723.2	1696.1	1704.6	1707.1	1708.0	1714.8
35°	1812.1	1823.2	1811.3	1802.0	1802.8	1827.4	1807.1	1820.6	1834.2	1839.2	1839.2
37.5°	1945.1	1951.0	1938.3	1923.9	1920.5	1934.1	1930.7	1952.7	1975.6	1988.3	1995.1
40°	2117.0	2122.1	2097.5	2069.6	2064.5	2079.7	2084.0	2132.2	2167.0	2190.7	2194.9
42.5°	2355.8	2354.9	2320.2	2268.6	2244.0	2267.7	2298.2	2354.1	2412.5	2417.6	2435.4
45°	2663.2	2651.3	2606.4	2529.4	2467.6	2459.1	2495.5	2578.5	2643.7	2671.6	2682.7
47.5°	3013.8	3000.2	2918.9	2799.5	2693.7	2660.6	2691.1	2795.3	2892.7	2933.3	2955.3
50°	3405.0	3388.9	3306.7	3145.0	2968.9	2908.8	2927.4	3056.9	3170.4	3222.1	3261.0
52.5°	3825.8	3823.3	3718.3	3532.0	3296.6	3199.2	3193.3	3349.1	3501.5	3570.1	3591.3
55°	4277.2	4264.5	4170.5	3968.1	3695.4	3513.4	3514.2	3687.0	3873.3	3963.0	3973.2
57.5°	4720.1	4715.0	4610.8	4438.1	4159.5	3919.8	3896.1	4125.6	4313.6	4387.3	4390.6
60°	5138.4	5154.5	5100.3	4941.9	4717.5	4446.5	4411.8	4605.7	4765.8	4829.3	4852.2
62.5°	5604.1	5609.2	5602.4	5485.6	5314.5	5131.6	5046.1	5145.1	5303.5	5356.0	5345.0
65°	5936.9	5969.9	6047.0	6107.1	6070.7	5931.0	5818.3	5823.4	5854.8	5820.9	5818.3
67.5°	5512.7	5584.6	5847.1	6269.7	6767.6	6985.2	6528.0	6017.3	5827.7	5704.9	5704.0
70°	4816.6	4864.9	5192.6	5923.4	7014.0	7334.1	6818.4	5886.9	5515.2	5369.5	5317.9
72.5°	4097.7	4135.8	4496.5	5242.5	6622.8	7128.3	6633.0	5504.2	5014.7	4693.8	4699.7
75°	3412.6	3406.7	3679.3	4445.7	5862.4	6546.6	6141.8	4898.7	4201.8	3909.7	3876.6
77.5°	2366.0	2420.1	2730.1	3513.4	4753.1	5539.8	5480.5	4032.5	3220.4	2908.8	2929.1
80°	1239.7	1273.6	1641.1	2385.4	3477.8	4249.2	4171.3	2852.0	2080.6	1735.9	1670.7
82.5°	516.5	538.6	750.3	1288.8	2125.5	2644.5	2609.0	1738.5	1160.1	807.8	806.2
85°	219.3	220.2	318.4	552.1	1072.9	1256.6	1008.5	746.9	406.5	254.9	227.8
87.5°	93.1	96.5	129.6	253.2	339.6	274.4	161.7	99.9	66.9	40.6	31.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)